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18/B

DOCKET Nos.: 07953.0004.999 and PXE-002.US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:)	
CONTAG, et al.)	EXAMINER: V. Ryan
SERIAL No.: 08/844,336)	ART UNIT: 1641
FILED: April 18, 1997)	
FOR: BIODETECTORS TARGETED)	
TO SPECIFIC LIGANDS)	

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office action mailed June 28, 1999 in the above-identified application, please amend the application as follows.

IN THE SPECIFICATION:

Please replace the originally-filed specification with the enclosed substitute specification, consisting of 33 pages, including originally-filed claims and abstract.

IN THE CLAIMS:

Please amend claims 1 and 21, as follows:

1. (Amended) A biodetector for [the] detection of a selected substance comprising:

(a) a signal converting element, comprising an extracellular ligand-specific moiety and an intracellular signal

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